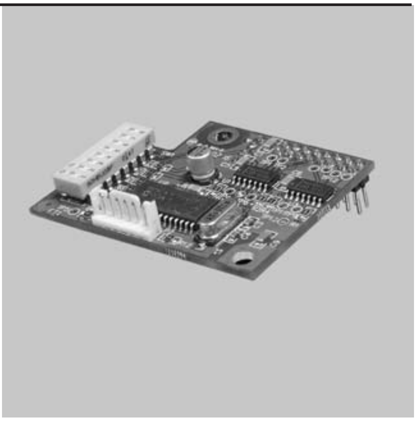
INSTALLATION/OPERATION

TXB-S422
Translator Board



C657M-G (5/07)

Contents

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Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Only use attachments/accessories specified by the manufacturer.
6. Installation should be done only by qualified personnel and conform to all local codes.

Only use replacement parts recommended by Pelco.

The product and/or manual may bear the following marks:

⚠ This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.

⚠ This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

CAUTION:
RISK OF ELECTRIC SHOCK. DO NOT OPEN.

Regulatory Notices

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RADIO AND TELEVISION INTERFERENCE

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You may also find helpful the following booklet, prepared by the FCC: “How to Identify and Resolve Radio-TV Interference Problems.” This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402.

Changes and modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commission’s rules.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Green The materials used in the manufacture of this document and its components are compliant to the requirements of Directive 2002/95/EC.

This equipment contains electrical or electronic components that must be recycled properly to comply with Directive 2002/96/EC of the European Union regarding the disposal of waste electrical and electronic equipment (WEEE). Contact your local dealer for procedures for recycling this equipment.

Important Notice

All companies make changes and improvements in their products on a regular basis. Because this product is interfacing with equipment not manufactured by Pelco, the possibility exists that the interface protocols have changed or are in a different configuration from earlier tested units; therefore, an incompatibility may occur. The existence of prior successful installations indicates our intent to provide equipment compatible with other manufacturers, but does not guarantee successful results without on-site integration testing.

Pelco recommends purchasing a single unit for bench testing before the purchase and installation of this product in quantity. Should any problems occur, Pelco will provide on-site technical support (North American installations only) to analyze the interface protocols of your system. We will typically schedule this visit within one week of when the problem is reported to Pelco Technical Support. Pelco will endeavor, at its expense, to correct the interface incompatibility within two weeks on a high priority basis. During these visits, the end user must agree to give Pelco reasonable access to the system in order to study and correct the protocol incompatibility.

In the unlikely event that Pelco is unable to make the translator work in the system, Pelco will accept the return of any Pelco products associated with the translator and refund the amounts paid for these products plus freight expenses. Because Pelco recommends a bench test prior to installation, Pelco will not be liable for any installation costs or lost revenues in the event it cannot solve the compatibility problem.

Description

The TXB-S422 translator board allows Sensormatic® controllers to communicate with Pelco's ExSite™, Esprit®, and Spectra® systems. Once installed the Spectra, ExSite, or Esprit system receives commands from the Sensormatic controller and converts the commands into Pelco's D protocol.

The TXB-S422 translator board has been tested and shown to work with the following Sensormatic systems:

- RC58 (VM1-SensorVision®)
- RC216 (VM96-View Manager®)
- AD2083-02 Series American Dynamics™ protocol translator

NOTE: The TXB-AD does not support SensorNet® code commands.

Parts List

The following items are supplied:

1 TXB-S422 translator board (printed circuit board)

1 6-32 screw with lock washer (for Spectra III™/Spectra IV Series only)

1 4-40 screw with lock washer (unused)

Esprit Installation

To install the TXB-S422 translator board in an Esprit system (refer to Figure 1):

1. Turn off power to the Esprit system.
2. Remove the left cover from the pan and tilt.
3. Remove the shorting plug from the 16-pin connector on the Esprit system's circuit board.
4. Remove the nut and washer from the standoff on the Esprit system's circuit board.

NOTES:

- Discard the 6-32 and 4-40 screws and their lock washers; they are not used in the Esprit system.
- Save the 16-pin shorting plug. Otherwise, the Esprit cannot be converted back to a Pelco-controlled system.

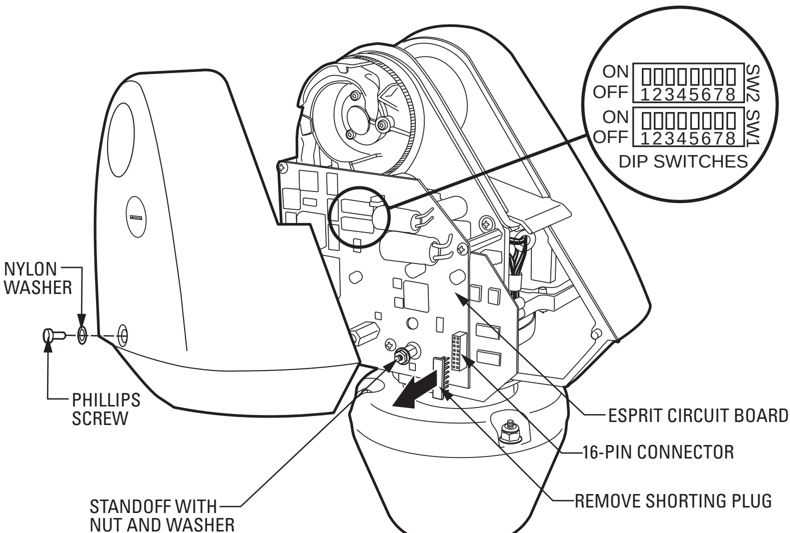


Figure 1. Esprit System

5. Set the proper termination setting on the DIP switch on the TXB-S422 (refer to Figure 2). Note the following:
   - By default, the TXB-S422 termination is set to the ON position.
   - All TXB-S422s in a daisy chain, except the last unit, must be unterminated.
   - The total wire distance from the controller to the last TXB-S422 in a daisy chain must be less than 4,000 ft (1,219 m).
   - A maximum of 10 receivers can be installed on a single daisy chain.
   - To unterminate a TXB-S422, change the termination setting on the DIP switch on the TXB-S422 to the OFF position.

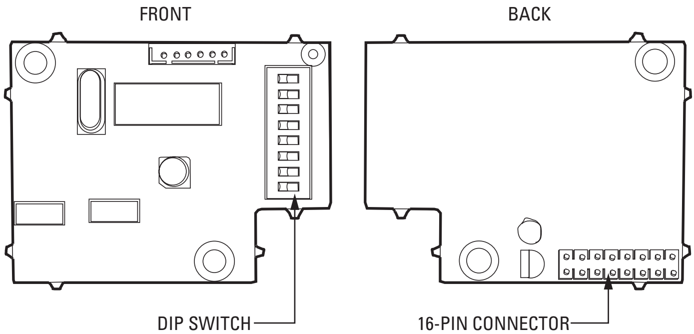


Figure 2. TXB-S422 DIP Switch

6. Set the other DIP switches on the TXB-S422 translator board to the proper settings (refer to Table C on page 42 of the *Appendix* for switch settings).
7. Install the TXB-S422 on the Esprit circuit board (refer to Figure 3):
   a. Insert the 16-pin connector on the bottom of the TXB-S422 into the mating 16-pin connector on the Esprit circuit board.
   b. Reinstall the nut and washer on the standoff to secure the TXB-S422 to the Esprit circuit board.

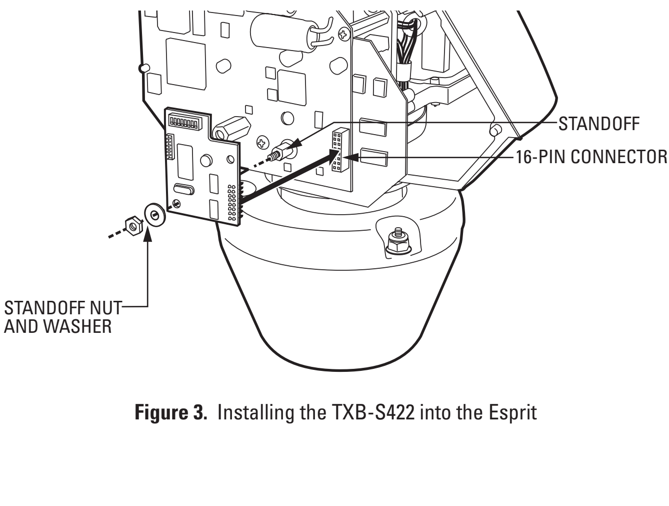


Figure 3. Installing the TXB-S422 into the Esprit

8. Set the DIP switches on the Esprit system (refer to Figure 1 on page 7 for switch location):
    a. SW1: Set all SW1 switches to the OFF position.
    b. SW2: Set the Esprit address (refer to Table A on page 29 of the *Appendix* for switch settings).
    c. For an American Dynamics protocol translator, refer to Table B on page 36 of the *Appendix* for the receiver address.
9. Reinstall the left cover of the pan and tilt:

⚠ **WARNING:** Make sure you seal the unit. Otherwise, moisture could disable or damage the Esprit system.

    a. Properly position the cover and slide it into place. The sides of the cover must fit under the front and back rain guards of the pan and tilt. The top of the cover must seat against the lip of the top gasket. (Refer to Figure 4.)

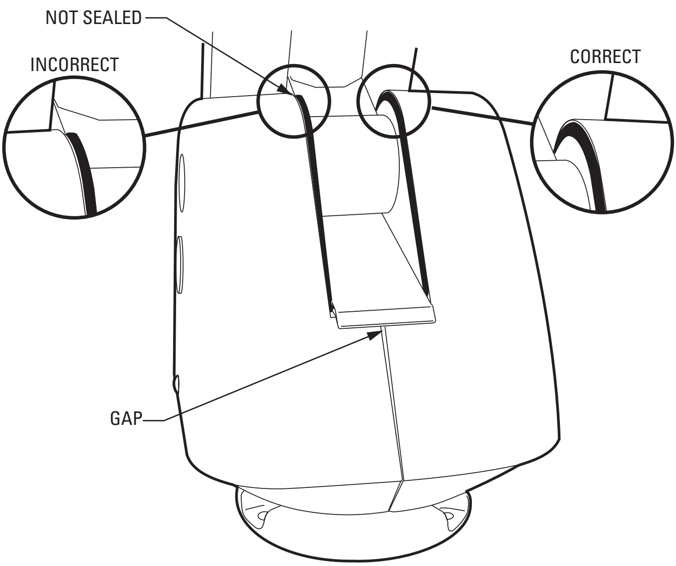


Figure 4. Installing the Esprit Cover

b. Apply pressure and push the top of the cover down to align the screw holes (refer to Figure 5).

c. Insert the Phillips screw and washer. Tighten until the screw will not turn.

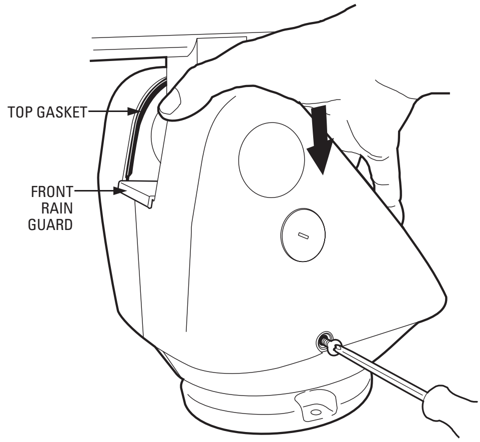
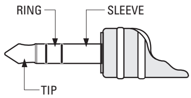


Figure 5. Fastening the Esprit Cover

10. Remove the pan and tilt from the base of the Esprit system.

11. Check the control wiring inside the base of the unit. Refer to the Esprit documentation and the documentation supplied with your controller to make sure the wiring is correct.

Sensormatic RC216 (422 Data Controller)	**Esprit Wire Harness**
TX LO - TX HI +	RX- (Green) RX+ (Red)
RX LO - RX HI +	TX- (Black) TX+ (White)

<table>
<tr><td rowspan="5">
USE A TWO-CONDUCTOR SHIELDED CABLE WHERE THE SHIELD IS CONNECTED TO THE SLEEVE.</td><td colspan="2">Sensormatic RC58</td><td>Esprit Wire Harness</td></tr>
<tr><td rowspan="2">DATA OUT</td><td>Tip</td><td>RX- (Green)</td></tr>
<tr><td>Ring</td><td>RX+ (Red)</td></tr>
<tr><td rowspan="2">DATA IN</td><td>Tip</td><td>TX- (Black)</td></tr>
<tr><td>Ring</td><td>TX+ (White)</td></tr>
</table>

AD2083/02 Controller	**Esprit Wire Harness**
T- T+	RX- (Green) RX+ (Red)
R- R+	TX- (Black) TX+ (White)

12. Reattach the pan and tilt onto the base of the unit.
13. Apply power to the system. The following message appears on the monitor as soon as the Esprit configuration cycle is completed:

    TXB-S422 Rev x.xx yy

    NOTE: x.xx represents the current firmware revision. yy represents the DIP switch selections for TXB-S422.

Spectra III/Spectra IV Installation

To install the TXB-S422 translator board in a Spectra III/Spectra IV Series:

1. Turn off power to the dome system.
2. Remove the lower dome.
3. Remove the dome drive by pressing in the blue and red tabs on the sides of the dome drive. Gently rock the dome drive to release it from the back box.
4. Set the proper termination setting on the DIP switch on the TXB-S422 (refer to Figure 6). Note the following:
   - By default, the TXB-S422 termination is set to the ON position.
   - All TXB-S422s in a daisy chain, except the last unit, must be unterminated.
   - The total wire distance from the controller to the last TXB-S422 in a daisy chain must be less than 4,000 ft (1,219 m).
   - A maximum of 10 receivers can be installed on a single daisy chain.
   - To unterminate a TXB-S422, change the termination setting on the DIP switch on the TXB-S422 to the OFF position.

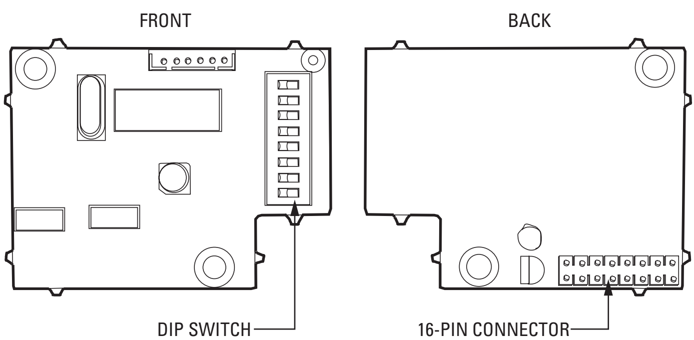


Figure 6. TXB-S422 DIP Switch

5. Set the other DIP switches on the TXB-S422 translator board to the proper settings (refer to Table C on page 42 of the *Appendix* for switch settings).

6. Install the TXB-S422 translator board into the back box:

   a. Open the hinged door to the back box. Push the tab lock towards the back box wall of the unit and open the door (refer to Figure 7).

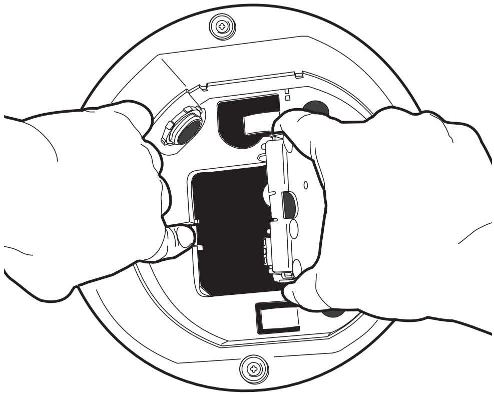
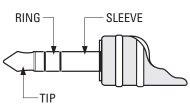


Figure 7. Spectra III/Spectra IV Back Box Interconnect Door

   b. Check the wiring to the controller. Refer to the Spectra III/Spectra IV documentation and the documentation supplied with your controller to make sure the wiring is correct.

Sensormatic RC216 (422 Data Controller)	**Spectra III/Spectra IV Four-Wire Terminal Block**
TX LO - TX HI +	RX- RX+
RX LO - RX HI +	TX- TX+

<table>
<tr><td rowspan="5">

USE A TWO-CONDUCTOR SHIELDED CABLE WHERE THE SHIELD IS CONNECTED TO THE SLEEVE.</td><th colspan="2">Sensormatic RC58</th><th>Spectra III/Spectra IV Four-Wire Terminal Block</th></tr>
<tr><td rowspan="2">DATA OUT</td><td>Tip</td><td>RX-</td></tr>
<tr><td>Ring</td><td>RX+</td></tr>
<tr><td rowspan="2">DATA IN</td><td>Tip</td><td>TX-</td></tr>
<tr><td>Ring</td><td>TX+</td></tr>
</table>

AD2083/02 Controller	**Spectra III/Spectra IV Four-Wire Terminal Block**
T- T+	RX- RX+
R- R+	TX- TX+

c. Remove the shorting plug from the 16-pin connector located on the back box circuit board (refer to Figure 8).

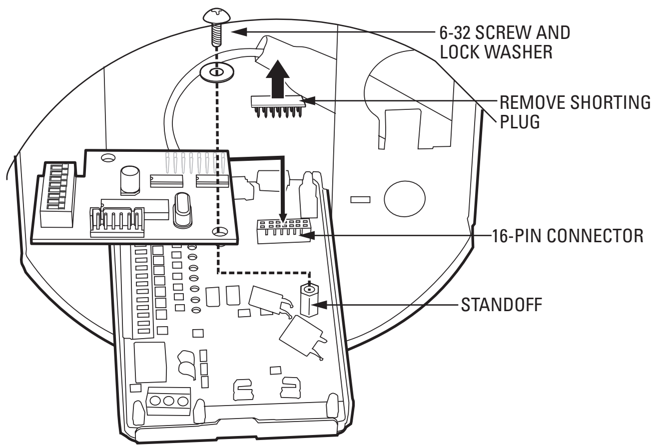


Figure 8. Spectra III/Spectra IV Back Box Circuit Board

NOTES:

- Discard the 4-40 screw and its lock washer; they are not used in the Spectra III/ Spectra IV system.
- Save the 16-pin shorting plug. Otherwise, the Spectra III/Spectra IV cannot be converted back to a Pelco-controlled system.

d. Insert the TXB-S422 board into the 16-pin connector located on the back box circuit board. Secure the translator board to the standoff on the circuit board using the supplied 6-32 screw and lock washer.

e. Close the interconnect door. Snap the tab lock into place.

7. Set the DIP switches on the Spectra III/Spectra IV system (refer to Figure 9 and Figure 10 on page 15 for switch locations):

   a. Set the SW1 switches on the dome drive to assign the Pelco D address (refer to Table A on page 29 of the *Appendix* for switch settings).

   b. For Spectra III systems, set all SW3 switches on the dome drive to the OFF position.

      For Spectra IV systems, set SW2-1 through SW2-8 to the OFF position.

   c. For an American Dynamics protocol translator, refer to Table B on page 36 of the Appendix for the receiver address.

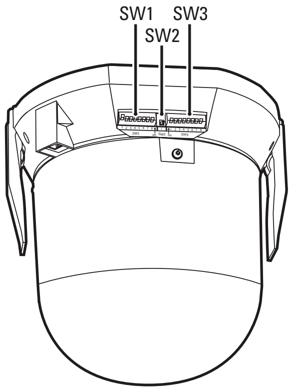


Figure 9. Spectra III Dome Drive DIP Switches

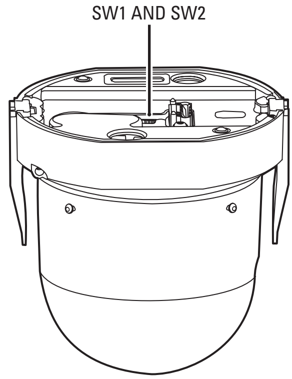


Figure 10. Spectra IV Dome Drive DIP Switches

8. Install the dome drive. Line up the blue (A) and red (B) tabs with the blue (A) and red (B) labels. When pushing the tabs in, insert one side, then the other. Continue pushing on the ends of the tabs until both tabs click into place. Refer to Figure 11.

   NOTE: Refer to the installation manual supplied with the Spectra III/Spectra IV dome for instructions on installing the back box, dome drive, and lower dome.

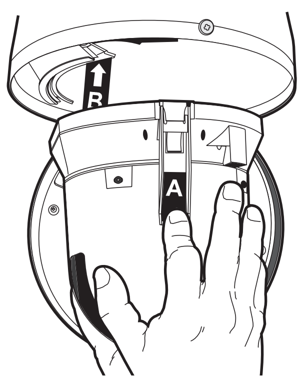


Figure 11. Spectra III/Spectra IV Dome Drive Installation

9. Install the lower dome.
10. Apply power to the system. The following message appears on the monitor as soon as the Spectra III/Spectra IV configuration cycle is completed:

    TXB-S422 Rev x.xx yy

    NOTE: x.xx represents the current firmware revision. yy represents the DIP switch selections for TXB-S422.

Spectra Mini Dome Installation

To install the TXB-S422 translator board in a Spectra Mini dome:

NOTE: Installing a TXB-S422 into a mini dome increases unit height. In surface mount installations, you must cut a hole in the surface to accommodate the TXB-S422 cover. For an installation template and more information, refer to the Spectra Mini Dome Installation manual.

1. Turn off power to the dome system.
2. If the Spectra Mini dome is already installed, remove it to access the top of the dome drive where the translator board will be installed.
3. Place the dome drive on a flat surface with the dome liner pointing up.
4. Set the DIP switches on the dome (refer to Figure 12 for switch location):

   NOTE: There are no SW1 switch settings on the Spectra Mini dome.

   a. Point the camera straight up.

   b. Using a flashlight, look through the viewing slot of the dome liner. Rotate the dome liner until you see two DIP switches in the bottom of the housing.

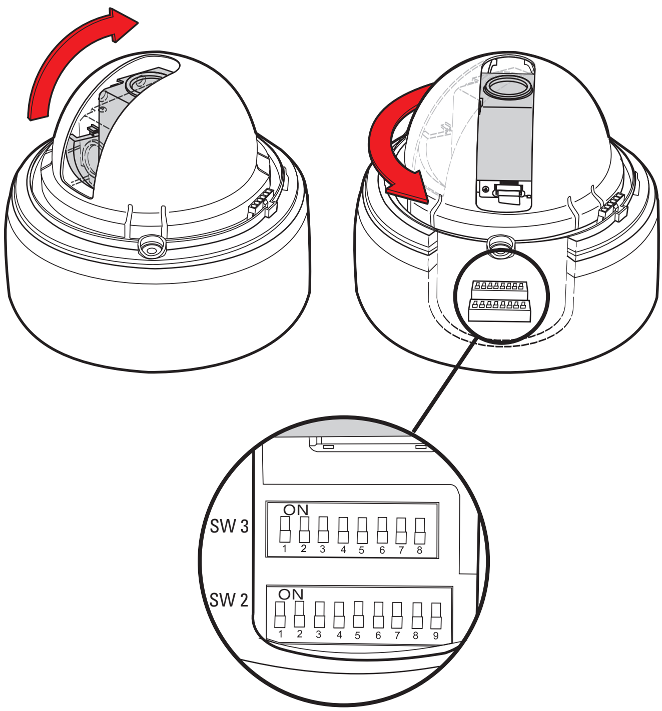


Figure 12. Locating the Spectra Mini Dome DIP Switches

c. SW2: Set all switches to the OFF position.

d. SW3: Set the Spectra Mini dome address (refer to Table A on page 29 of the *Appendix* for switch settings).

e. For an American Dynamics protocol translator, refer to Table B on page 36 of the *Appendix* for the receiver address.

5. Set the proper termination setting on the DIP switch on the TXB-S422 (refer to Figure 13). Note the following:

- By default, the TXB-S422 termination is set to the ON position.
- All TXB-S422s in a daisy chain, except the last unit, must be unterminated.
- The total wire distance from the controller to the last TXB-S422 in a daisy chain must be less than 4,000 ft (1,219 m).
- A maximum of 10 receivers can be installed on a single daisy chain.
- To unterminate a TXB-S422, change the termination setting on the DIP switch on the TXB-S422 to the OFF position.

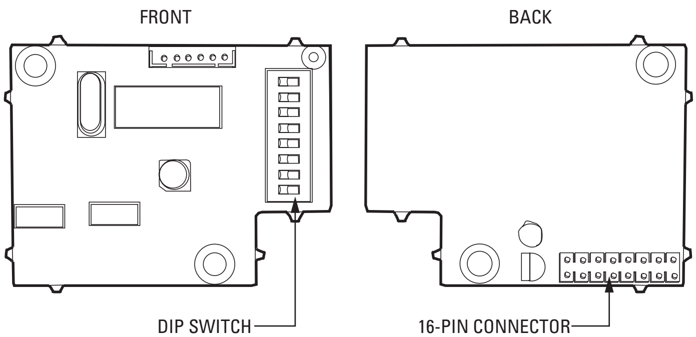


Figure 13. TXB-S422 DIP Switch

6. Set the other DIP switches on the TXB-S422 to the proper settings (refer to Table C on page 42 of the *Appendix* for switch settings).

7. Install the TXB-S422 translator board (refer to Figure 14 and Figure 15):

   a. Remove the cover from the top of the dome drive.

   b. Remove the shorting plug from the 16-pin connector located on the Spectra Mini dome circuit board.

   NOTES:

   - Discard the 4-40 and 6-32 screws and their lock washers; they are not used in the Spectra Mini dome.
   - Save the 16-pin shorting plug and the original cover from the Spectra Mini dome. Otherwise, the unit cannot be converted back to a Pelco-controlled system.

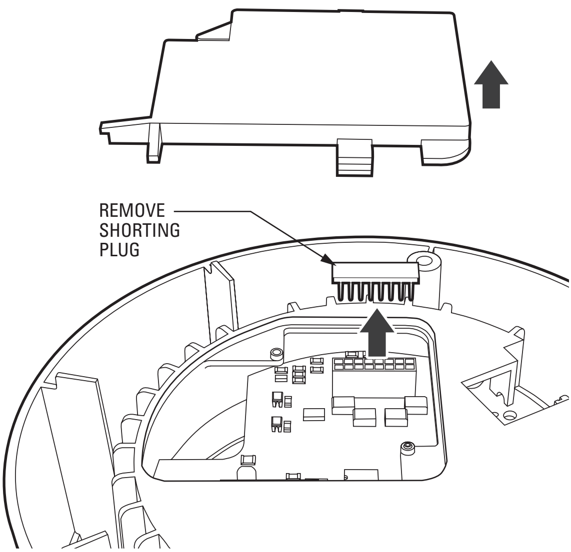


Figure 14. Removing the Mini Dome Cover and Shorting Plug

c. Insert the TXB-S422 translator board into the 16-pin connector on the Spectra Mini dome's circuit board.

d. Install the translator board cover that is supplied with the Spectra Mini dome.

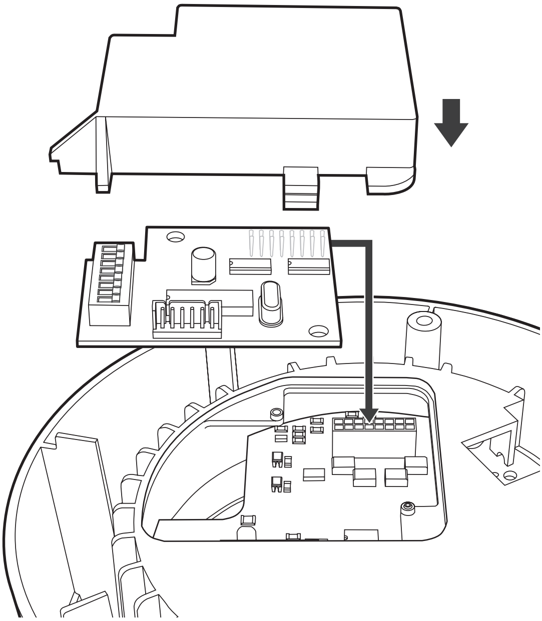
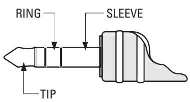


Figure 15. Installing the TXB-S422 and Mini Dome Cover

8. Check the wiring to the controller. Refer to the Spectra Mini dome documentation and the documentation supplied with your controller to make sure the wiring is correct.

Sensormatic RC216 (422 Data Controller)	Spectra Mini Dome RJ45-10 Connector
TX LO - TX HI +	Pin 3 (RX-) Pin 4 (RX+)
RX LO - RX HI +	Pin 5 (TX-) Pin 6 (TX+)

<table>
<tr><td rowspan="5">

USE A TWO-CONDUCTOR SHIELDED CABLE WHERE THE SHIELD IS CONNECTED TO THE SLEEVE.</td><th colspan="2">Sensormatic RC58</th><th>Spectra Mini Dome RJ45-10 Connector</th></tr>
<tr><td rowspan="2">DATA OUT</td><td>Tip</td><td>Pin 3 (RX-)</td></tr>
<tr><td>Ring</td><td>Pin 4 (RX+)</td></tr>
<tr><td rowspan="2">DATA IN</td><td>Tip</td><td>Pin 5 (TX-)</td></tr>
<tr><td>Ring</td><td>Pin 6 (TX+)</td></tr>
</table>

AD2083/02 Controller	Spectra Mini Dome RJ45-10 Connector
T- T+	Pin 3 (RX-) Pin 4 (RX+)
R- R+	Pin 5 (TX-) Pin 6 (TX+)

9. Refer to the installation manual for the Spectra Mini dome to complete the installation.
10. Apply power to the system. The following message appears on the monitor as soon as the Spectra Mini dome configuration cycle is completed:

    TXB-S422 Rev x.xx yy

    NOTE: x.xx represents the current firmware revision. yy represents the DIP switch selections for TXB-S422.

ExSite Installation

To install the TXB-S422 translator board in an ExSite unit:

WARNING: To reduce the risk of ignition of hazardous atmospheres, disconnect the equipment from the supply circuit before opening.

1. Turn off the power to the ExSite system.

   WARNING: Total weight of the pan and tilt component is 55 pounds (25 kg). Use caution when lifting and assembling the pan and tilt component on the power module. It is recommended that nonslip gloves be worn during installation or removal.

2. Remove the pan and tilt unit from the power module (refer to Figure 16 and Figure 17):
   a. Loosen the setscrew in the locking ring with a 2 mm Allen wrench.
   b. Loosen the locking ring with a spanner wrench (Pelco part #MF00-1251-121A).
   c. Carefully unscrew the locking ring and remove the pan and tilt unit from the power module.

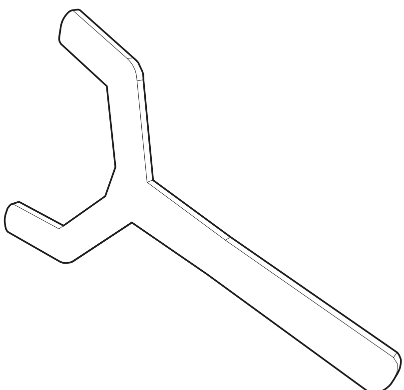


Figure 16. ExSite Spanner Wrench

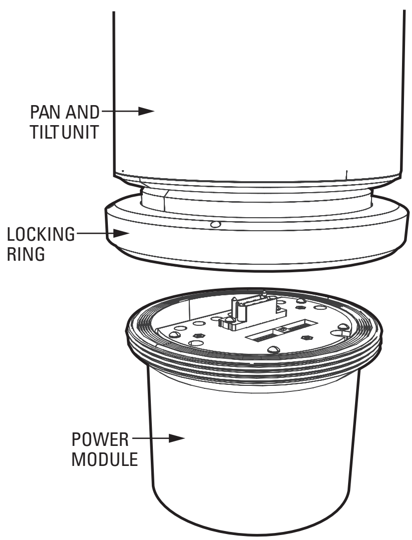


Figure 17. Removing the ExSite Pan and Tilt Unit

3. Set the proper termination setting on the DIP switch on the TXB-S422 (refer to Figure 18). Note the following:
   - By default, the TXB-S422 termination is set to the ON position.
   - All TXB-S422s in a daisy chain, except the last unit, must be unterminated.
   - The total wire distance from the controller to the last TXB-S422 in a daisy chain must be less than 4,000 ft (1,219 m).
   - A maximum of 10 receivers can be installed on a single daisy chain.
   - To unterminate a TXB-S422, change the termination setting on the DIP switch on the TXB-S422 to the OFF position.

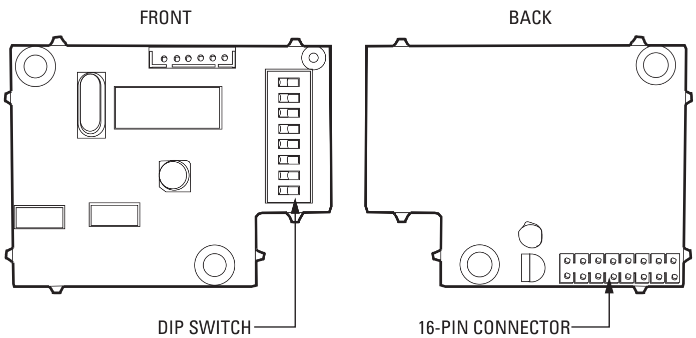


Figure 18. TXB-S422 DIP Switch

4. Set the other DIP switches on the TXB-S422 translator board to the proper settings (refer to Table C on page 42 of the *Appendix* for switch settings).

5. Install the TXB-S422 board on the power module (refer to Figure 19):

   a. Remove the shorting plug from the 16-pin connector located on the ExSite's circuit board.

      NOTES:

      - Discard the 4-40 and 6-32 screws and their lock washers; they are not used in the ExSite system.
      - Save the 16-pin shorting plug. Otherwise, the ExSite cannot be converted back to a Pelco-controlled system.

   b. Insert the TXB-S422 board into the 16-pin connector located on the ExSite system's circuit board. Confirm that the TXB-S422 board is fully seated into the 16-pin connector.

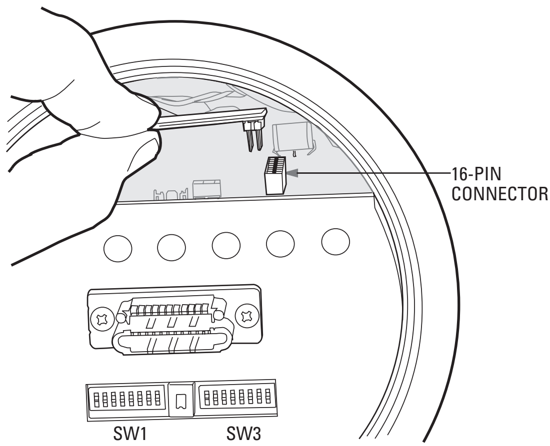
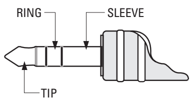


Figure 19. Installing the TXB-S422 into the ExSite

6. Check the wiring to the controller. Refer to the ExSite documentation and the documentation supplied with your controller to make sure the wiring is correct.

Sensormatic RC216 (422 Data Controller)	ExSite Wire Harness
TX LO - TX HI +	Green (RX-) Red (RX+)
RX LO - RX HI +	White/Blue (TX-) White/Orange (TX+)

<table>
<tr><td rowspan="5">
USE A TWO-CONDUCTOR SHIELDED CABLE WHERE THE SHIELD IS CONNECTED TO THE SLEEVE.</td><th colspan="2">Sensormatic RC58</th><th>ExSite Wire Harness</th></tr>
<tr><td rowspan="2">DATA OUT</td><td>Tip</td><td>Green (RX-)</td></tr>
<tr><td>Ring</td><td>Red (RX+)</td></tr>
<tr><td rowspan="2">DATA IN</td><td>Tip</td><td>White/Blue (TX-)</td></tr>
<tr><td>Ring</td><td>White/Orange (TX+)</td></tr>
</table>

AD2083/02 Controller	ExSite Wire Harness
T- T+	Green (RX-) Red (RX+)
R- R+	White/Blue (TX-) White/Orange (TX+)

7. Set the DIP switches on the ExSite system (refer to Figure 19 on page 23 for switch location):
   a. SW3: Verify that all SW3 switches on the ExSite power module are set to the OFF position.
   b. SW1: Set the ExSite address (refer to Table A on page 29 of the *Appendix* for switch settings).
   c. For an American Dynamics protocol translator, refer to Table B on page 36 of the *Appendix* for the receiver address.
8. Attach the pan and tilt unit to the power module (refer to Figure 16 and Figure 17 on page 21):
   a. Align the pan and tilt unit with the power module. Carefully begin to hand-tighten the locking ring onto the threads of the power module.
   b. Continue to tighten the locking ring with a spanner wrench.
   c. Tighten the setscrew in the locking ring with a 2 mm Allen wrench.

   NOTE: Refer to the installation manual supplied with the ExSite system for instructions on attaching the pan and tilt unit to the power module.
9. Apply power to the system. The following message appears on the monitor as soon as the ExSite configuration cycle is completed:

   TXB-S422 Rev x.xx yy

   NOTE: x.xx represents the current firmware revision. yy represents the DIP switch selections for TXB-S422.

Operation

For detailed information about the operation of American Dynamics equipment, refer to Sensormatic publication 8000-2692-13 "SpeedDome® Optima Programmable Dome Camera Quick Reference Guide," publication 8200-0184-02 "SpeedDome Ultra VII 22x Camera Dome Configuration Utility Operator's Manual," and publication 8200-0184-04 "SpeedDome Ultra VII Day/Night Camera Dome Configuration Utility Operator's Manual."

For copies of these documents, access American Dynamic's Web site at www.americandynamics.net.

RC58–Controller Commands and System Response

RC58 Controller Commands	Pelco Unit Action	Pelco Controller Commands
Pan, tilt, zoom, focus, and iris functions	Moves unit accordingly	Pan, tilt, zoom, focus, and iris functions
Set 1-7 in Fixed Targets menu	Saves camera position as preset 1-7	Set preset 1-7
1-7, TARGT key	Moves camera to preset position 1-7	Call preset 1-7
Press and hold the Iris Close and Focus Near keys and then press the Zoom Wide key. Release all keys	Displays receiver programming menu	Set preset 95
Hold the RAIL RIGHT key and press a direction key (left, right, up, or down)	Increases pan/tilt speed 2X	
Hold the FAST key and press a direction key (left, right, up, or down)	Increases pan/tilt speed 3X	
Hold the RAIL LEFT key and press a direction key (left, right, up, or down)	Increases pan/tilt speed 4X	
Press and hold the FAST and RAIL RIGHT keys	Flip	Call preset 33

RC216–Controller Commands and System Response

RC216 Controller Commands	Pelco Unit Action	Pelco Controller Commands
Pan, tilt, zoom, focus, and iris functions	Moves unit accordingly	Pan, tilt, zoom, focus, and iris functions
Refer to the manual supplied with controller for instructions on how to program quick views (presets)	Saves camera position as preset 1-64	Set preset 1-64
1-64, VIEW key	Moves camera to preset position 1-64	Call preset 1-64
Press and hold the Iris Open and Focus Near keys and then press the Zoom Wide key. Release all keys	Displays receiver programming menu	Set preset 95
Refer to the manual supplied with controller for instructions on how to program patterns	Defines pattern 1 Defines pattern 2 Defines pattern 3	
1, PATRN key	Starts pattern 1	
2, PATRN key	Starts pattern 2	
3, PATRN key	Starts pattern 3	
D key	Flip	Call preset 33
Refer to the manual supplied with the Touch Tracker Controller for instructions on how to program system activities for camera outputs 1 and 2	Controls auxiliary outputs 1 and 2	

AD2083-02 Series–Controller Commands and System Response

AD2083-02 Series Controller Commands	Pelco Unit Action	Pelco Controller Commands
Pan, tilt, zoom, focus, and iris functions	Moves unit accordingly	Pan, tilt, zoom, focus, and iris functions
1-16, PRESET SET key	Saves camera position as preset 1-16	Set preset 1-16
1-16, PRESET CALL key	Moves camera to preset position 1-16	Call preset 1-16
17, PRESET SET key	Define patterns 1	
18, PRESET SET key	Define patterns 2	
19, PRESET SET key	Define patterns 3	
33, PRESET SET key	Ends pattern programming	
17, 21 or 25, PRESET CALL key	Starts pattern 1	
18, 22 or 26, PRESET CALL key	Starts pattern 2	
19, 23 or 27, PRESET CALL key	Starts pattern 3	
40, PRESET CALL key	Flip	Call preset 33
Press and hold the Iris Open and Focus Near keys. Then press the Zoom Wide key. Release all keys	Displays program menu	Set preset 95
1 or 2 Auxiliary ON*	Enables selected Auxiliary control	
1 or 2 Auxiliary OFF	Disables selected Auxiliary control	

*If an auxiliary is ON, it must be turned off before it can be activated a second time.

AMERICAN DYNAMICS CAMERA ASSIGNMENTS

Refer to Table B on page 36 in the *Appendix* for the receiver (Esprit, ExSite, or Spectra system) address settings when using an AD2083-02 Series protocol translator. Refer to the American Dynamics AD2083 manual for instructions on how to configure the code translator's camera block assignments.

Troubleshooting

Symptom	Possible Cause	Suggested Remedy
No video.	Power is not connected to the Pelco unit.	Check the power connector.
	Video cable is not connected to the Pelco unit.	Check the video connector.
	Translator board is not inserted properly.	Reinstall the translator board. Make sure the pins on the board are inserted correctly.
Pelco unit information (model, firmware, Pelco P and D addresses, and communication settings) does not appear after the configuration cycle.	The Pelco unit cannot complete its configuration cycle.	Refer to the troubleshooting section of the product manual for the Pelco unit.
The message "TXB-S422 Rev x.xx yy" does not appear.	The baud rate setting on the Pelco unit is not correct. The setting appears on power-up.	Make sure the baud rate setting on the Pelco unit is 2400. Then cycle device power.
The Pelco unit does not respond to commands.	The unit address is not correct.	Make sure the Pelco unit (receiver) address is correct. This address can range from 1 to 255.
		Make sure the controller is addressing the correct Pelco unit.
	The receiving and transmitting lines are not connected properly.	Make sure the TX+, TX-, RX+, and RX- lines are properly connected. (Refer to the wiring tables in this manual as well as the troubleshooting section of the product manual for the controller.)
	The command was lost between the controller and the Pelco unit.	Retry the command.

Appendix

Table A. Receiver Address Settings

Receiver Address	Switch Setting 1	2	3	4	5	6	7	8
1	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
2	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
3	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
4	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
5	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
6	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
7	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
8	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
9	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF
10	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF
11	ON	ON	OFF	ON	OFF	OFF	OFF	OFF
12	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF
13	ON	OFF	ON	ON	OFF	OFF	OFF	OFF
14	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
15	ON	ON	ON	ON	OFF	OFF	OFF	OFF
16	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
17	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF
18	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF
19	ON	ON	OFF	OFF	ON	OFF	OFF	OFF
20	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF
21	ON	OFF	ON	OFF	ON	OFF	OFF	OFF
22	OFF	ON	ON	OFF	ON	OFF	OFF	OFF
23	ON	ON	ON	OFF	ON	OFF	OFF	OFF
24	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
25	ON	OFF	OFF	ON	ON	OFF	OFF	OFF
26	OFF	ON	OFF	ON	ON	OFF	OFF	OFF
27	ON	ON	OFF	ON	ON	OFF	OFF	OFF
28	OFF	OFF	ON	ON	ON	OFF	OFF	OFF
29	ON	OFF	ON	ON	ON	OFF	OFF	OFF
30	OFF	ON	ON	ON	ON	OFF	OFF	OFF
31	ON	ON	ON	ON	ON	OFF	OFF	OFF
32	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
33	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF
34	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF
35	ON	ON	OFF	OFF	OFF	ON	OFF	OFF
36	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF
37	ON	OFF	ON	OFF	OFF	ON	OFF	OFF

Table A. Receiver Address Settings *(Continued)*

Receiver Address	Switch Setting 1	2	3	4	5	6	7	8
38	OFF	ON	ON	OFF	OFF	ON	OFF	OFF
39	ON	ON	ON	OFF	OFF	ON	OFF	OFF
40	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF
41	ON	OFF	OFF	ON	OFF	ON	OFF	OFF
42	OFF	ON	OFF	ON	OFF	ON	OFF	OFF
43	ON	ON	OFF	ON	OFF	ON	OFF	OFF
44	OFF	OFF	ON	ON	OFF	ON	OFF	OFF
45	ON	OFF	ON	ON	OFF	ON	OFF	OFF
46	OFF	ON	ON	ON	OFF	ON	OFF	OFF
47	ON	ON	ON	ON	OFF	ON	OFF	OFF
48	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF
49	ON	OFF	OFF	OFF	ON	ON	OFF	OFF
50	OFF	ON	OFF	OFF	ON	ON	OFF	OFF
51	ON	ON	OFF	OFF	ON	ON	OFF	OFF
52	OFF	OFF	ON	OFF	ON	ON	OFF	OFF
53	ON	OFF	ON	OFF	ON	ON	OFF	OFF
54	OFF	ON	ON	OFF	ON	ON	OFF	OFF
55	ON	ON	ON	OFF	ON	ON	OFF	OFF
56	OFF	OFF	OFF	ON	ON	ON	OFF	OFF
57	ON	OFF	OFF	ON	ON	ON	OFF	OFF
58	OFF	ON	OFF	ON	ON	ON	OFF	OFF
59	ON	ON	OFF	ON	ON	ON	OFF	OFF
60	OFF	OFF	ON	ON	ON	ON	OFF	OFF
61	ON	OFF	ON	ON	ON	ON	OFF	OFF
62	OFF	ON	ON	ON	ON	ON	OFF	OFF
63	ON	ON	ON	ON	ON	ON	OFF	OFF
64	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
65	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF
66	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF
67	ON	ON	OFF	OFF	OFF	OFF	ON	OFF
68	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF
69	ON	OFF	ON	OFF	OFF	OFF	ON	OFF
70	OFF	ON	ON	OFF	OFF	OFF	ON	OFF
71	ON	ON	ON	OFF	OFF	OFF	ON	OFF
72	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF
73	ON	OFF	OFF	ON	OFF	OFF	ON	OFF
74	OFF	ON	OFF	ON	OFF	OFF	ON	OFF
75	ON	ON	OFF	ON	OFF	OFF	ON	OFF
76	OFF	OFF	ON	ON	OFF	OFF	ON	OFF
77	ON	OFF	ON	ON	OFF	OFF	ON	OFF

Table A. Receiver Address Settings *(Continued)*

Receiver Address	Switch Setting 1	2	3	4	5	6	7	8
78	OFF	ON	ON	ON	OFF	OFF	ON	OFF
79	ON	ON	ON	ON	OFF	OFF	ON	OFF
80	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
81	ON	OFF	OFF	OFF	ON	OFF	ON	OFF
82	OFF	ON	OFF	OFF	ON	OFF	ON	OFF
83	ON	ON	OFF	OFF	ON	OFF	ON	OFF
84	OFF	OFF	ON	OFF	ON	OFF	ON	OFF
85	ON	OFF	ON	OFF	ON	OFF	ON	OFF
86	OFF	ON	ON	OFF	ON	OFF	ON	OFF
87	ON	ON	ON	OFF	ON	OFF	ON	OFF
88	OFF	OFF	OFF	ON	ON	OFF	ON	OFF
89	ON	OFF	OFF	ON	ON	OFF	ON	OFF
90	OFF	ON	OFF	ON	ON	OFF	ON	OFF
91	ON	ON	OFF	ON	ON	OFF	ON	OFF
92	OFF	OFF	ON	ON	ON	OFF	ON	OFF
93	ON	OFF	ON	ON	ON	OFF	ON	OFF
94	OFF	ON	ON	ON	ON	OFF	ON	OFF
95	ON	ON	ON	ON	ON	OFF	ON	OFF
96	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
97	ON	OFF	OFF	OFF	OFF	ON	ON	OFF
98	OFF	ON	OFF	OFF	OFF	ON	ON	OFF
99	ON	ON	OFF	OFF	OFF	ON	ON	OFF
100	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
101	ON	OFF	ON	OFF	OFF	ON	ON	OFF
102	OFF	ON	ON	OFF	OFF	ON	ON	OFF
103	ON	ON	ON	OFF	OFF	ON	ON	OFF
104	OFF	OFF	OFF	ON	OFF	ON	ON	OFF
105	ON	OFF	OFF	ON	OFF	ON	ON	OFF
106	OFF	ON	OFF	ON	OFF	ON	ON	OFF
107	ON	ON	OFF	ON	OFF	ON	ON	OFF
108	OFF	OFF	ON	ON	OFF	ON	ON	OFF
109	ON	OFF	ON	ON	OFF	ON	ON	OFF
110	OFF	ON	ON	ON	OFF	ON	ON	OFF
111	ON	ON	ON	ON	OFF	ON	ON	OFF
112	OFF	OFF	OFF	OFF	ON	ON	ON	OFF
113	ON	OFF	OFF	OFF	ON	ON	ON	OFF
114	OFF	ON	OFF	OFF	ON	ON	ON	OFF
115	ON	ON	OFF	OFF	ON	ON	ON	OFF
116	OFF	OFF	ON	OFF	ON	ON	ON	OFF
117	ON	OFF	ON	OFF	ON	ON	ON	OFF

Table A. Receiver Address Settings *(Continued)*

Receiver Address	Switch Setting 1	2	3	4	5	6	7	8
118	OFF	ON	ON	OFF	ON	ON	ON	OFF
119	ON	ON	ON	OFF	ON	ON	ON	OFF
120	OFF	OFF	OFF	ON	ON	ON	ON	OFF
121	ON	OFF	OFF	ON	ON	ON	ON	OFF
122	OFF	ON	OFF	ON	ON	ON	ON	OFF
123	ON	ON	OFF	ON	ON	ON	ON	OFF
124	OFF	OFF	ON	ON	ON	ON	ON	OFF
125	ON	OFF	ON	ON	ON	ON	ON	OFF
126	OFF	ON	ON	ON	ON	ON	ON	OFF
127	ON	ON	ON	ON	ON	ON	ON	OFF
128	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
129	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON
130	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON
131	ON	ON	OFF	OFF	OFF	OFF	OFF	ON
132	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON
133	ON	OFF	ON	OFF	OFF	OFF	OFF	ON
134	OFF	ON	ON	OFF	OFF	OFF	OFF	ON
135	ON	ON	ON	OFF	OFF	OFF	OFF	ON
136	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON
137	ON	OFF	OFF	ON	OFF	OFF	OFF	ON
138	OFF	ON	OFF	ON	OFF	OFF	OFF	ON
139	ON	ON	OFF	ON	OFF	OFF	OFF	ON
140	OFF	OFF	ON	ON	OFF	OFF	OFF	ON
141	ON	OFF	ON	ON	OFF	OFF	OFF	ON
142	OFF	ON	ON	ON	OFF	OFF	OFF	ON
143	ON	ON	ON	ON	OFF	OFF	OFF	ON
144	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON
145	ON	OFF	OFF	OFF	ON	OFF	OFF	ON
146	OFF	ON	OFF	OFF	ON	OFF	OFF	ON
147	ON	ON	OFF	OFF	ON	OFF	OFF	ON
148	OFF	OFF	ON	OFF	ON	OFF	OFF	ON
149	ON	OFF	ON	OFF	ON	OFF	OFF	ON
150	OFF	ON	ON	OFF	ON	OFF	OFF	ON
151	ON	ON	ON	OFF	ON	OFF	OFF	ON
152	OFF	OFF	OFF	ON	ON	OFF	OFF	ON
153	ON	OFF	OFF	ON	ON	OFF	OFF	ON
154	OFF	ON	OFF	ON	ON	OFF	OFF	ON
155	ON	ON	OFF	ON	ON	OFF	OFF	ON
156	OFF	OFF	ON	ON	ON	OFF	OFF	ON
157	ON	OFF	ON	ON	ON	OFF	OFF	ON

Table A. Receiver Address Settings *(Continued)*

Receiver Address	Switch Setting 1	2	3	4	5	6	7	8
158	OFF	ON	ON	ON	ON	OFF	OFF	ON
159	ON	ON	ON	ON	ON	OFF	OFF	ON
160	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON
161	ON	OFF	OFF	OFF	OFF	ON	OFF	ON
162	OFF	ON	OFF	OFF	OFF	ON	OFF	ON
163	ON	ON	OFF	OFF	OFF	ON	OFF	ON
164	OFF	OFF	ON	OFF	OFF	ON	OFF	ON
165	ON	OFF	ON	OFF	OFF	ON	OFF	ON
166	OFF	ON	ON	OFF	OFF	ON	OFF	ON
167	ON	ON	ON	OFF	OFF	ON	OFF	ON
168	OFF	OFF	OFF	ON	OFF	ON	OFF	ON
169	ON	OFF	OFF	ON	OFF	ON	OFF	ON
170	OFF	ON	OFF	ON	OFF	ON	OFF	ON
171	ON	ON	OFF	ON	OFF	ON	OFF	ON
172	OFF	OFF	ON	ON	OFF	ON	OFF	ON
173	ON	OFF	ON	ON	OFF	ON	OFF	ON
174	OFF	ON	ON	ON	OFF	ON	OFF	ON
175	ON	ON	ON	ON	OFF	ON	OFF	ON
176	OFF	OFF	OFF	OFF	ON	ON	OFF	ON
177	ON	OFF	OFF	OFF	ON	ON	OFF	ON
178	OFF	ON	OFF	OFF	ON	ON	OFF	ON
179	ON	ON	OFF	OFF	ON	ON	OFF	ON
180	OFF	OFF	ON	OFF	ON	ON	OFF	ON
181	ON	OFF	ON	OFF	ON	ON	OFF	ON
182	OFF	ON	ON	OFF	ON	ON	OFF	ON
183	ON	ON	ON	OFF	ON	ON	OFF	ON
184	OFF	OFF	OFF	ON	ON	ON	OFF	ON
185	ON	OFF	OFF	ON	ON	ON	OFF	ON
186	OFF	ON	OFF	ON	ON	ON	OFF	ON
187	ON	ON	OFF	ON	ON	ON	OFF	ON
188	OFF	OFF	ON	ON	ON	ON	OFF	ON
189	ON	OFF	ON	ON	ON	ON	OFF	ON
190	OFF	ON	ON	ON	ON	ON	OFF	ON
191	ON	ON	ON	ON	ON	ON	OFF	ON
192	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON
193	ON	OFF	OFF	OFF	OFF	OFF	ON	ON
194	OFF	ON	OFF	OFF	OFF	OFF	ON	ON
195	ON	ON	OFF	OFF	OFF	OFF	ON	ON
196	OFF	OFF	ON	OFF	OFF	OFF	ON	ON
197	ON	OFF	ON	OFF	OFF	OFF	ON	ON

Table A. Receiver Address Settings *(Continued)*

Receiver Address	Switch Setting 1	2	3	4	5	6	7	8
198	OFF	ON	ON	OFF	OFF	OFF	ON	ON
199	ON	ON	ON	OFF	OFF	OFF	ON	ON
200	OFF	OFF	OFF	ON	OFF	OFF	ON	ON
201	ON	OFF	OFF	ON	OFF	OFF	ON	ON
202	OFF	ON	OFF	ON	OFF	OFF	ON	ON
203	ON	ON	OFF	ON	OFF	OFF	ON	ON
204	OFF	OFF	ON	ON	OFF	OFF	ON	ON
205	ON	OFF	ON	ON	OFF	OFF	ON	ON
206	OFF	ON	ON	ON	OFF	OFF	ON	ON
207	ON	ON	ON	ON	OFF	OFF	ON	ON
208	OFF	OFF	OFF	OFF	ON	OFF	ON	ON
209	ON	OFF	OFF	OFF	ON	OFF	ON	ON
210	OFF	ON	OFF	OFF	ON	OFF	ON	ON
211	ON	ON	OFF	OFF	ON	OFF	ON	ON
212	OFF	OFF	ON	OFF	ON	OFF	ON	ON
213	ON	OFF	ON	OFF	ON	OFF	ON	ON
214	OFF	ON	ON	OFF	ON	OFF	ON	ON
215	ON	ON	ON	OFF	ON	OFF	ON	ON
216	OFF	OFF	OFF	ON	ON	OFF	ON	ON
217	ON	OFF	OFF	ON	ON	OFF	ON	ON
218	OFF	ON	OFF	ON	ON	OFF	ON	ON
219	ON	ON	OFF	ON	ON	OFF	ON	ON
220	OFF	OFF	ON	ON	ON	OFF	ON	ON
221	ON	OFF	ON	ON	ON	OFF	ON	ON
222	OFF	ON	ON	ON	ON	OFF	ON	ON
223	ON	ON	ON	ON	ON	OFF	ON	ON
224	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
225	ON	OFF	OFF	OFF	OFF	ON	ON	ON
226	OFF	ON	OFF	OFF	OFF	ON	ON	ON
227	ON	ON	OFF	OFF	OFF	ON	ON	ON
228	OFF	OFF	ON	OFF	OFF	ON	ON	ON
229	ON	OFF	ON	OFF	OFF	ON	ON	ON
230	OFF	ON	ON	OFF	OFF	ON	ON	ON
231	ON	ON	ON	OFF	OFF	ON	ON	ON
232	OFF	OFF	OFF	ON	OFF	ON	ON	ON
233	ON	OFF	OFF	ON	OFF	ON	ON	ON
234	OFF	ON	OFF	ON	OFF	ON	ON	ON
235	ON	ON	OFF	ON	OFF	ON	ON	ON
236	OFF	OFF	ON	ON	OFF	ON	ON	ON
237	ON	OFF	ON	ON	OFF	ON	ON	ON

Table A. Receiver Address Settings *(Continued)*

Receiver Address	Switch Setting 1	2	3	4	5	6	7	8
238	OFF	ON	ON	ON	OFF	ON	ON	ON
239	ON	ON	ON	ON	OFF	ON	ON	ON
240	OFF	OFF	OFF	OFF	ON	ON	ON	ON
241	ON	OFF	OFF	OFF	ON	ON	ON	ON
242	OFF	ON	OFF	OFF	ON	ON	ON	ON
243	ON	ON	OFF	OFF	ON	ON	ON	ON
244	OFF	OFF	ON	OFF	ON	ON	ON	ON
245	ON	OFF	ON	OFF	ON	ON	ON	ON
246	OFF	ON	ON	OFF	ON	ON	ON	ON
247	ON	ON	ON	OFF	ON	ON	ON	ON
248	OFF	OFF	OFF	ON	ON	ON	ON	ON
249	ON	OFF	OFF	ON	ON	ON	ON	ON
250	OFF	ON	OFF	ON	ON	ON	ON	ON
251	ON	ON	OFF	ON	ON	ON	ON	ON
252	OFF	OFF	ON	ON	ON	ON	ON	ON
253	ON	OFF	ON	ON	ON	ON	ON	ON
254	OFF	ON	ON	ON	ON	ON	ON	ON
255	ON	ON	ON	ON	ON	ON	ON	ON

Each AD (American Dynamics) group has its own communication line that can control 99 devices. Use Table A and Table B to identify the DIP switch settings for the receiver:

1. Find the AD group for the desired camera number. For example, camera 499 is located in AD group 5.
2. Locate the receiver address for the camera number in the far right column. In this example, the receiver address is 4 for camera 499.
3. Find the receiver address in column 1 of Table A.
4. Identify the proper DIP switch settings for the Pelco unit. In this example, the receiver address is 4 and SW1-SW8 are OFF, OFF, ON, OFF, OFF, OFF, OFF, OFF.

Table B. Camera Assignments for AD2083-02 Series Translators

AD Group 0	AD Group 1	AD Group 2	AD Group 3	AD Group 4	AD Group 5	Receiver Address
1	100	199	298	397	496	1
2	101	200	299	398	497	2
3	102	201	300	399	498	3
4	103	202	301	400	499	4
5	104	203	302	401	500	5
6	105	204	303	402	501	6
7	106	205	304	403	502	7
8	107	206	305	404	503	8
9	108	207	306	405	504	9
10	109	208	307	406	505	10
11	110	209	308	407	506	11
12	111	210	309	408	507	12
13	112	211	310	409	508	13
14	113	212	311	410	509	14
15	114	213	312	411	510	15
16	115	214	313	412	511	16
17	116	215	314	413	512	17
18	117	216	315	414	513	18
19	118	217	316	415	514	19
20	119	218	317	416	515	20
21	120	219	318	417	516	21
22	121	220	319	418	517	22
23	122	221	320	419	518	23
24	123	222	321	420	519	24
25	124	223	322	421	520	25
26	125	224	323	422	521	26
27	126	225	324	423	522	27
28	127	226	325	424	523	28
29	128	227	326	425	524	29
30	129	228	327	426	525	30
31	130	229	328	427	526	31
32	131	230	329	428	527	32

Table B. Camera Assignments for AD2083-02 Series Translators *(Continued)*

AD Group 0	AD Group 1	AD Group 2	AD Group 3	AD Group 4	AD Group 5	Receiver Address
33	132	231	330	429	528	33
34	133	232	331	430	529	34
35	134	233	332	431	530	35
36	135	234	333	432	531	36
37	136	235	334	433	532	37
38	137	236	335	434	533	38
39	138	237	336	435	534	39
40	139	238	337	436	535	40
41	140	239	338	437	536	41
42	141	240	339	438	537	42
43	142	241	340	439	538	43
44	143	242	341	440	539	44
45	144	243	342	441	540	45
46	145	244	343	442	541	46
47	146	245	344	443	542	47
48	147	246	345	444	543	48
49	148	247	346	445	544	49
50	149	248	347	446	545	50
51	150	249	348	447	546	51
52	151	250	349	448	547	52
53	152	251	350	449	548	53
54	153	252	351	450	549	54
55	154	253	352	451	550	55
56	155	254	353	452	551	56
57	156	255	354	453	552	57
58	157	256	355	454	553	58
59	158	257	356	455	554	59
60	159	258	357	456	555	60
61	160	259	358	457	556	61
62	161	260	359	458	557	62
63	162	261	360	459	558	63
64	163	262	361	460	559	64
65	164	263	362	461	560	65
66	165	264	363	462	561	66
67	166	265	364	463	562	67
68	167	266	365	464	563	68
69	168	267	366	465	564	69
70	169	268	367	466	565	70
71	170	269	368	467	566	71
72	171	270	369	468	567	72

Table B. Camera Assignments for AD2083-02 Series Translators *(Continued)*

AD Group 0	AD Group 1	AD Group 2	AD Group 3	AD Group 4	AD Group 5	Receiver Address
73	172	271	370	469	568	73
74	173	272	371	470	569	74
75	174	273	372	471	570	75
76	175	274	373	472	571	76
77	176	275	374	473	572	77
78	177	276	375	474	573	78
79	178	277	376	475	574	79
80	179	278	377	476	575	80
81	180	279	378	477	576	81
82	181	280	379	478	577	82
83	182	281	380	479	578	83
84	183	282	381	480	579	84
85	184	283	382	481	580	85
86	185	284	383	482	581	86
87	186	285	384	483	582	87
88	187	286	385	484	583	88
89	188	287	386	485	584	89
90	189	288	387	486	585	90
91	190	289	388	487	586	91
92	191	290	389	488	587	92
93	192	291	390	489	588	93
94	193	292	391	490	589	94
95	194	293	392	491	590	95
96	195	294	393	492	591	96
97	196	295	394	493	592	97
98	197	296	395	494	593	98
99	198	297	396	495	594	99

Table B. Camera Assignments for AD2083-02 Series Translators *(Continued)*

AD Group 6	AD Group 7	AD Group 8	AD Group 9	AD Group 10	Receiver Address
595	694	793	892	991	1
596	695	794	893	992	2
597	696	795	894	993	3
598	697	796	895	994	4
599	698	797	896	995	5
600	699	798	897	996	6
601	700	799	898	997	7
602	701	800	899	998	8
603	702	801	900	999	9
604	703	802	901	1000	10
605	704	803	902	1001	11
606	705	804	903	1002	12
607	706	805	904	1003	13
608	707	806	905	1004	14
609	708	807	906	1005	15
610	709	808	907	1006	16
611	710	809	908	1007	17
612	711	810	909	1008	18
613	712	811	910	1009	19
614	713	812	911	1010	20
615	714	813	912	1011	21
616	715	814	913	1012	22
617	716	815	914	1013	23
618	717	816	915	1014	24
619	718	817	916	1015	25
620	719	818	917	1016	26
621	720	819	918	1017	27
622	721	820	919	1018	28
623	722	821	920	1019	29
624	723	822	921	1020	30
625	724	823	922	1021	31
626	725	824	923	1022	32
627	726	825	924	1023	33
628	727	826	925	1024	34
629	728	827	926	1025	35
630	729	828	927	1026	36
631	730	829	928	1027	37
632	731	830	929	1028	38
633	732	831	930	1029	39
634	733	832	931	1030	40

Table B. Camera Assignments for AD2083-02 Series Translators *(Continued)*

AD Group 6	AD Group 7	AD Group 8	AD Group 9	AD Group 10	Receiver Address
635	734	833	932	1031	41
636	735	834	933	1032	42
637	736	835	934	1033	43
638	737	836	935	1034	44
639	738	837	936	1035	45
640	739	838	937	1036	46
641	740	839	938	1037	47
642	741	840	939	1038	48
643	742	841	940	1039	49
644	743	842	941	1040	50
645	744	843	942	1041	51
646	745	844	943	1042	52
647	746	845	944	1043	53
648	747	846	945	1044	54
649	748	847	946	1045	55
650	749	848	947	1046	56
651	750	849	948	1047	57
652	751	850	949	1048	58
653	752	851	950	1049	59
654	753	852	951	1050	60
655	754	853	952	1051	61
656	755	854	953	1052	62
657	756	855	954	1053	63
658	757	856	955	1054	64
659	758	857	956	1055	65
660	759	858	957	1056	66
661	760	859	958	1057	67
662	761	860	959	1058	68
663	762	861	960	1059	69
664	763	862	961	1060	70
665	764	863	962	1061	71
666	765	864	963	1062	72
667	766	865	964	1063	73
668	767	866	965	1064	74
669	768	867	966	1065	75
670	769	868	967	1066	76
671	770	869	968	1067	77
672	771	870	969	1068	78
673	772	871	970	1069	79
674	773	872	971	1070	80

Table B. Camera Assignments for AD2083-02 Series Translators *(Continued)*

AD Group 6	AD Group 7	AD Group 8	AD Group 9	AD Group 10	Receiver Address
675	774	873	972	1071	81
676	775	874	973	1072	82
677	776	875	974	1073	83
678	777	876	975	1074	84
679	778	877	976	1075	85
680	779	878	977	1076	86
681	780	879	978	1077	87
682	781	880	979	1078	88
683	782	881	980	1079	89
684	783	882	981	1080	90
685	784	883	982	1081	91
686	785	884	983	1082	92
687	786	885	984	1083	93
688	787	886	985	1084	94
689	788	887	986	1085	95
690	789	888	987	1086	96
691	790	889	988	1087	97
692	791	890	989	1088	98
693	792	891	990	1089	99

Table C. TXB-S422 DIP Switch Settings

Switch	Position	Function
1 and 2	Refer to Table D	Pan and tilt speed setting or CPU type
3	ON	Sets the response delay to fast (SpeedDome Ultra speed)
	OFF	Default setting. Sets the response delay to slow (SpeedDome speed)
4	OFF	Always OFF
5	ON	Enables receiver address 64
	OFF	Disables receiver address 64 (Sensormatic default)
6	ON	Esprit setting
	OFF	Spectra III/Spectra IV, Spectra Mini dome, and ExSite setting
7 and 8	ON	Terminates communication line
	OFF	Unterminates communication line

Table D. SW1-1 and SW1-2 DIP Switch Settings

Switch	Use	Position	Function
SW1-1	Select CPU type or speed control	ON	Selects RC58 and RC216
		OFF	Speed control for RC58 and RC216
SW1-2	Speed control	ON	Half speed
		OFF	Full speed

REVISION HISTORY

Manual #	Date	Comments
C657M	6/02	Original version.
C657M-A	7/02	Speed settings applicable only for Sensormatic RC216 Matrix.
C657M-B	8/02	Revised operation instructions.
C657M-C	10/02	Revised per ECO 02-8063.
C657M-D	12/03	Revised per ECO 03-9431: Added material about the use of DIP switches 1 and 2 with American Dynamics AD1024 CPU. Removed material about the use of these DIP switches with Sensormatic equipment.
C657M-E	3/05	Added installation instructions for ExSite explosionproof system.
C657M-F	3/06	Added Spectra Mini dome. Removed Spectra II. Updated graphics and procedures.
C657M-G	5/07	Added RoHS Directive, cross references, and Spectra IV.

PRODUCT WARRANTY AND RETURN INFORMATION

WARRANTY

Pelco will repair or replace, without charge, any merchandise proved defective in material or workmanship **for a period of one year** after the date of shipment.

Exceptions to this warranty are as noted below:

- Five years on fiber optic products and TW3000 Series unshielded twisted pair transmission products.
- Three years on Spectra® IV products.
- Three years on Genex® Series products (multiplexers, server, and keyboard).
- Three years on Camclosure® and fixed camera models, except the CC3701H-2, CC3701H-2X, CC3751H-2, CC3651H-2X, MC3651H-2, and MC3651H-2X camera models, which have a five-year warranty.
- Three years on PMCL200/300/400 Series LCD monitors.
- Two years on standard motorized or fixed focal length lenses.
- Two years on Legacy®, CM6700/CM6800/CM9700 Series matrix, and DF5/DF8 Series fixed dome products.
- Two years on Spectra III™, Esprit®, ExSite®, and PS20 scanners, including when used in continuous motion applications.
- Two years on Esprit and WW5700 Series window wiper (excluding wiper blades).
- Two years (except lamp and color wheel) on Digital Light Processing (DLP®) displays. The lamp and color wheel will be covered for a period of 90 days. The air filter is not covered under warranty.
- Eighteen months on DX Series digital video recorders, NVR300 Series network video recorders, and Endura™ Series distributed network-based video products.
- One year (except video heads) on video cassette recorders (VCRs). Video heads will be covered for a period of six months.
- Six months on all pan and tilts, scanners or preset lenses used in continuous motion applications (that is, preset scan, tour and auto scan modes).

Pelco will warrant all replacement parts and repairs for 90 days from the date of Pelco shipment. All goods requiring warranty repair shall be sent freight prepaid to Pelco, Clovis, California. Repairs made necessary by reason of misuse, alteration, normal wear, or accident are not covered under this warranty.

Pelco assumes no risk and shall be subject to no liability for damages or loss resulting from the specific use or application made of the Products. Pelco's liability for any claim, whether based on breach of contract, negligence, infringement of any rights of any party or product liability, relating to the Products shall not exceed the price paid by the Dealer to Pelco for such Products. In no event will Pelco be liable for any special, incidental or consequential damages (including loss of use, loss of profit and claims of third parties) however caused, whether by the negligence of Pelco or otherwise.

The above warranty provides the Dealer with specific legal rights. The Dealer may also have additional rights, which are subject to variation from state to state.

If a warranty repair is required, the Dealer must contact Pelco at (800) 289-9100 or (559) 292-1981 to obtain a Repair Authorization number (RA), and provide the following information:

1. Model and serial number
2. Date of shipment, P.O. number, Sales Order number, or Pelco invoice number
3. Details of the defect or problem

If there is a dispute regarding the warranty of a product which does not fall under the warranty conditions stated above, please include a written explanation with the product when returned.

Method of return shipment shall be the same or equal to the method by which the item was received by Pelco.

RETURNS

In order to expedite parts returned to the factory for repair or credit, please call the factory at (800) 289-9100 or (559) 292-1981 to obtain an authorization number (CA number if returned for credit, and RA number if returned for repair).

All merchandise returned for credit may be subject to a 20% restocking and refurbishing charge.

Goods returned for repair or credit should be clearly identified with the assigned CA or RA number and freight should be prepaid. Ship to the appropriate address below.

If you are located within the continental U.S., Alaska, Hawaii or Puerto Rico, send goods to:

Service Department
Pelco
3500 Pelco Way
Clovis, CA 93612-5699

If you are located outside the continental U.S., Alaska, Hawaii or Puerto Rico and are instructed to return goods to the USA, you may do one of the following:

If the goods are to be sent by a COURIER SERVICE, send the goods to:

Pelco
3500 Pelco Way
Clovis, CA 93612-5699 USA

If the goods are to be sent by a FREIGHT FORWARDER, send the goods to:

Pelco c/o Expeditors
473 Eccles Avenue
South San Francisco, CA 94080 USA
Phone: 650-737-1700
Fax: 650-737-0933

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